

ABSTRACT OF THE DISCLOSURE

The library contains a plurality of functions and a plurality of procedures that model hardware-components of the target processor. The plurality of functions and/or a plurality of procedures are defined and described in a high-level language, e.g. C-language. All of software development can be done in the high-level language; a common source code can be used in two types (compiler type and interpreter type) of simulators without rewriting the source code. Parts of the simulators can be communalized and development efficiency improves. The executing-cycles-number is acquired and measurable.